

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	("6292887").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 08:56
L4	1	"5216613".PN.	USPAT; USOCR	AND	ON	2006/02/07 09:35
L5	1	"3928857".PN.	USPAT; USOCR	AND	ON	2006/02/07 09:35
L6	1	"4445177".PN.	USPAT; USOCR	AND	ON	2006/02/07 09:35
L7	4	("3928857" "4445177" "5216613").PN. OR ("6292887").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 10:26
L8	21760	granularity	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 10:26
L9	1452	(granularity with memory)	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 10:27
L10	167	(granularity with memory) same (high or low)	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 10:32
L11	4	(granularity with memory) same (high or low) same delay	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 10:30
L12	83	(granularity with memory) same (high or low) and delay	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 11:54
L13	4	(granularity with memory) same (high or low) same event	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 10:30
L14	8	(granularity with memory) same (high or low) and (granularity same delay)	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 10:36
L15	2	((5982238") or ("6425064")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 10:36
L16	13	((granularity with memory) same split)	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 11:12
L18	5329	morrison.in. and @py<"2003"	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 11:13
L19	190	morrison.in. and @py<"2003" and processor	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 11:14

L20	85	morrison.in. and (fir\$3 adj time)	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 11:24
L25	1	(link\$2 adj list) and (timed near2 untimed near2 command)	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 11:30
L26	1147	((high or low) adj resolution) with clock	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 11:55
L27	36	((high or low) adj resolution) with clock and granularity	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 13:06
L28	40	((high or low) adj resolution) with (clock or counter) and granularity	US-PGPUB; USPAT; USOCR	AND	ON	2006/02/07 13:06
L29	191	"firing time" with delay	US-PGPUB; USPAT	AND	ON	2006/02/07 13:43
L30	44	("firing time" with delay) and (resolution or granularity)	US-PGPUB; USPAT	AND	ON	2006/02/07 14:15
L31	161	(("firing time" or deadline) with delay) and (resolution or granularity)	US-PGPUB; USPAT	AND	ON	2006/02/07 13:49
L32	451	(multiple adj (clock or counter)) with (delay or deadline)	US-PGPUB; USPAT	AND	ON	2006/02/07 13:49
L33	103	(multiple adj (clock or counter)) with (delay or deadline) and (DSP or "real time")	US-PGPUB; USPAT	AND	ON	2006/02/07 13:50
L34	142	((multiple or precis\$4) adj (clock or counter)) with (delay or deadline) and (DSP or "real time")	US-PGPUB; USPAT	AND	ON	2006/02/07 13:50
L35	2	("firing time" with granularity)	US-PGPUB; USPAT	AND	ON	2006/02/07 14:15
L36	511	(713/401).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 14:47
L37	683	(713/501).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/07 14:47
L38	74	(36 or 37) and dsp	US-PGPUB; USPAT	AND	ON	2006/02/07 14:55
L39	1741	(delay\$3 near2 resolution)	US-PGPUB; USPAT	AND	ON	2006/02/07 14:56
L40	3	(delay\$3 near2 resolution) same (dsp or "digital signal processor")	US-PGPUB; USPAT	AND	ON	2006/02/07 14:58
L41	173	(delay\$3 near2 resolution) same memory	US-PGPUB; USPAT	AND	ON	2006/02/07 15:00
L42	66	(delay\$3 near2 resolution) with counter	US-PGPUB; USPAT	AND	ON	2006/02/07 15:03

L43	580	"delay field"	US-PGPUB; USPAT	AND	ON	2006/02/07 15:04
L44	0	43 with split	US-PGPUB; USPAT	AND	ON	2006/02/07 15:03
L45	1	43 same split	US-PGPUB; USPAT	AND	ON	2006/02/07 15:04
L47	2	43 same (dsp or "digital signal processor")	US-PGPUB; USPAT	AND	ON	2006/02/07 15:05
L48	77	43 and (dsp or "digital signal processor")	US-PGPUB; USPAT	AND	ON	2006/02/07 15:05
S1	526	(712/244).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/02/03 16:14
S2	1	S1 and "time performance constraint"	US-PGPUB; USPAT	AND	ON	2006/02/03 16:14
S3	72562	"DSP" or "digital signal processor"	US-PGPUB; USPAT	AND	ON	2006/02/06 08:38
S4	56997	"DSP" or "digital signal processor" and detector	US-PGPUB; USPAT	AND	ON	2006/02/06 08:38
S5	51008	"DSP" or "digital signal processor" and (detector near4 event)	US-PGPUB; USPAT	AND	ON	2006/02/06 08:39
S6	50878	"DSP" or "digital signal processor" and (detector near4 event) and 712/1-250	US-PGPUB; USPAT	AND	ON	2006/02/06 08:43
S8	461	"digital signal processor" and (detector near4 event)	US-PGPUB; USPAT	AND	ON	2006/02/06 08:40
S9	262	(("DSP" or "digital signal processor") same memory) and (detector near4 event)	US-PGPUB; USPAT	AND	ON	2006/02/06 08:46
S10	28454	(("DSP" or "digital signal processor") same memory)	US-PGPUB; USPAT	AND	ON	2006/02/06 08:46
S11	246	(("DSP" or "digital signal processor") same memory same layout)	US-PGPUB; USPAT	AND	ON	2006/02/06 09:04
S12	2	("DSP" or "digital signal processor") and (memory and alu and register and "IO device") and (controller same event\$1) and detector	US-PGPUB; USPAT	AND	ON	2006/02/06 09:07
S14	17	("DSP" or "digital signal processor") and (memory and alu and register and "IO device")	US-PGPUB; USPAT	AND	ON	2006/02/06 09:07
S15	2624	("DSP" or "digital signal processor") and (memory and alu and register)	US-PGPUB; USPAT	AND	ON	2006/02/06 09:07
S16	7305	("DSP" or "digital signal processor") same (memory and alu and register)	US-PGPUB; USPAT	AND	ON	2006/02/06 09:08

S17	180	("DSP" or "digital signal processor") same (memory and alu and register) and detector	US-PGPUB; USPAT	AND	ON	2006/02/06 09:10
S18	29	("DSP" or "digital signal processor") same (memory and alu and register and ("IO device" or "I/O device" or "input/output")) and detector	US-PGPUB; USPAT	AND	ON	2006/02/06 09:11
S19	612	("DSP" or "digital signal processor") same (memory and alu and register and ("IO device" or "I/O device" or "input/output"))	US-PGPUB; USPAT	AND	ON	2006/02/06 09:12
S21	63	((("DSP" or "digital signal processor") same (memory and alu and register and ("IO device" or "I/O device" or "input/output")))) and (interrupt or event or exception)	US-PGPUB; USPAT	AND	ON	2006/02/06 14:20
S22	2	"vector memory" same granularity	US-PGPUB; USPAT	AND	ON	2006/02/06 14:20
S23	2870	memory same granularity	US-PGPUB; USPAT	AND	ON	2006/02/06 14:20
S24	817	(memory same granularity) and resolution	US-PGPUB; USPAT	AND	ON	2006/02/06 14:20


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 (((high or low) adj resolution) with (clock or counter)) and "ev


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Terms used

high or low adj resolution with clock or counter and event handling and DSP or real time and granularity

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21 [Variability in the execution of multimedia applications and implications for architecture](#)

Christopher J. Hughes, Praful Kaul, Sarita V. Adve, Rohit Jain, Chanik Park, Jayanth Srinivasan

May 2001 **ACM SIGARCH Computer Architecture News , Proceedings of the 28th annual international symposium on Computer architecture ISCA '01**, Volume 29 Issue 2

Publisher: ACM Press

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Multimedia applications are an increasingly important workload for general-purpose processors. This paper analyzes frame-level execution time variability for several multimedia applications on general-purpose architectures. There are two reasons for such an analysis. First, it has been conjectured that complex features of such architectures (e.g., out-of-order issue) result in unpredictable execution times, making them unsuitable for meeting real-time requirements of multimedia application ...

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23 [Prototyping, verification, and test: Implementation of BEE: a real-time large-scale hardware emulation engine](#)

Chen Chang, Kimmo Kuusilinna, Brian Richards, Robert W. Brodersen

February 2003 **Proceedings of the 2003 ACM/SIGDA eleventh international symposium on Field programmable gate arrays**

Publisher: ACM Press

Full text available: [pdf\(3.65 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes the hardware implementation of a real-time, large-scale, multi-chip FPGA (Field Programmable Gate Array) based emulation engine with a capacity of 10 million ASIC (Application Specific Integrated Circuits) equivalent gates. Attainable system operation frequency can exceed 60 MHz, and the system throughput has been empirically